



ASBESTOS AIR ANALYSIS

By: PHASE CONTRAST MICROSCOPY

Client: SAQ Environmental Engineers, Inc.
PO Box 155
Manati, PR 00674

CEI Lab Code: P14-1545
Date Received: 06-26-14
Date Analyzed: 06-26-14
Date Reported: 06-27-14

Project: Jorge Lucas Perez Valdivieso

ASBESTOS FIBER COUNT, NIOSH 7400 METHOD

| Client ID | Lab ID | Volume (Liters) | Fibers | Fields | Fibers / cc |
|------------------------------------|--------|-----------------|--------|--------|----------------|
| HOM-062414-FB-LR-01 Field Blank | P93886 | Blank | 0 | 100 | |
| HOM-062414-FB-LR-02 Field Blank | P93887 | Blank | 0 | 100 | |
| HOM-062414-A-LR-03 | P93888 | 4815 | 11 | 100 | 0.0011 |
| HOM-062414-A-LR-04 | P93889 | 4815 | 9.5 | 100 | 0.00097 |
| HOM-062414-A-LR-05 | P93890 | 4770 | 9 | 100 | 0.00093 |
| HOM-062414-A-LR-06 | P93891 | 4800 | 10 | 100 | 0.001 |
| HOM-062414-A-LR-07 | P93892 | 4800 | 13 | 100 | 0.0013 |
| HOM-062414-A-LR-08 | P93893 | 4755 | 14.5 | 100 | 0.0015 |



REGULATORY LIMITS: OSHA: Excursion Level (EL) is 1.0 fibers per cc based on a 30 minute sample.
OSHA: Permissible Exposure Level (PEL) is 0.10 fibers per cc based on 8 hour TWA.
EPA: Final Clearance Standard is 0.01 fibers per cc.

METHOD: NIOSH 7400, A RULES

Please note that the results have not been corrected for contamination based on the field blank or lab blank. The results relate only to the items tested. The overall relative standard deviation (Sr) for the lab = 0.20. The detection limit is 7 fibers/mm². Samples were received in acceptable condition.

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A handwritten signature in black ink, appearing to read "Antonia Hoyland".

ANALYST: _____

Antonia Hoyland

A handwritten signature in black ink, appearing to read "Tianbao Bai".

APPROVED BY: _____

Tianbao Bai, Ph.D.
Laboratory Director

AIHA IHLAP #103025



107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

P141845 (8)
P13880 - P13873

Applied Building Sciences

Company: SAQ Environmental Engineers, Inc

Client #:

Address: PO Box 155, Manati P.R. 00674

Job Contact: Samuel Quiñonez

Project Name: Jorge Lucas Perez Valdivieso

Email: samuelq@saqee.com

Tel: 787-374-6187

| ASBESTOS | METHOD | 4 HR* | 8 HR* | 24 HR | 2 DAY | 3 DAY | 5 DAY |
|------------------------|---------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| PLM BULK | EPA 600 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| TEM BULK | CHATFIELD | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| PLM POINT COUNT (400) | EPA 600 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| PLM POINT COUNT (1000) | EPA 600 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| PLM GRAVIMETRIC | EPA 600 | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| PLM GRAV w POINT COUNT | EPA 600 | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| PCM AIR | NIOSH 7400 | | | X | | | |
| TEM AIR NIOSH | NIOSH 7402 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | X | <input type="checkbox"/> | <input type="checkbox"/> |
| TEM MICROVAC | ASTM D5755-09 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| TEM DUST WIPES | ASTM D6480-05 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| POSITIVE STOP ANALYSIS | | | <input type="checkbox"/> | | | | |
| SOUTH CAROLINA SAMPLES | | | <input type="checkbox"/> | | | | |

TEM INSTRUCTIONS

BEGIN TEM ANALYSIS AFTER NEGATIVE PLM

ANALYZE TEM SAMPLES SIMULTANEOUSLY WITH PLM

REMARKS: If NIOSH 7400 result is > 0.0009f/cc, Then Analyzed also for NIOSH 7402.

Collected by:
Charles E. Case June-24-14



Accept Samples



Reject Samples

| Relinquished By: | Date/Time | Received By: | Date/Time |
|------------------|--------------------|--------------|------------------|
| Charles E. Case | 1535 June-24-14 | [Signature] | 6/24/14 3:50 PM |
| | | [Signature] | 6/20/14 10:30 AM |

*Call to confirm RUSH analysis.

Samples will be disposed of 30 days after analysis



SAMPLING FORM

COMPANY CONTACT INFORMATION

| | |
|--|------------------------------|
| Company: SAQ Environmental Engineers Inc. | Job Contact: Samuel Quiñonez |
| Project Name: Lucas Perez Valdivieso Public School | |
| Project ID #: | Tel:787-374-6187 |

| SAMPLE ID# | DESCRIPTION / LOCATION | TEST | |
|-------------------------------------|---|------------------------------|---|
| HOM-062414-FB-LR-01 | Field Blank | PLM <input type="checkbox"/> | TEM <input checked="" type="checkbox"/> |
| HOM-062414-FB-LR-02 | Field Blank | PLM <input type="checkbox"/> | TEM <input checked="" type="checkbox"/> |
| HOM-062414-A-LR-03 | South east Sample, Center room food storage, Air Sample | PLM <input type="checkbox"/> | TEM <input checked="" type="checkbox"/> |
| HOM-062414-A-LR-04 | South east sample, lunch room, Air Sample | PLM <input type="checkbox"/> | TEM <input checked="" type="checkbox"/> |
| HOM-062414-A-LR-05 | South center sample, lunch room, Air Sample | PLM <input type="checkbox"/> | TEM <input checked="" type="checkbox"/> |
| HOM-062414-A-LR-06 | South west sample, Lunch room, Air sample | PLM <input type="checkbox"/> | TEM <input checked="" type="checkbox"/> |
| HOM-062414-A-LR-07 | South west hallway, lunch room, Air sample | PLM <input type="checkbox"/> | TEM <input checked="" type="checkbox"/> |
| HOM-062414-A-LR-08 | North west hallway, lunch room, Air sample | PLM <input type="checkbox"/> | TEM <input checked="" type="checkbox"/> |
| | | PLM <input type="checkbox"/> | TEM <input checked="" type="checkbox"/> |
| Volumes per bags - UB -03 1421 L | | PLM <input type="checkbox"/> | TEM <input checked="" type="checkbox"/> |
| -04 1424 L | | PLM <input type="checkbox"/> | TEM <input checked="" type="checkbox"/> |
| -05 1428 L | | PLM <input type="checkbox"/> | TEM <input type="checkbox"/> |
| -06 1428 L | | PLM <input type="checkbox"/> | TEM <input type="checkbox"/> |
| -07 | | PLM <input type="checkbox"/> | TEM <input type="checkbox"/> |
| -08 | | PLM <input type="checkbox"/> | TEM <input type="checkbox"/> |
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| | | PLM <input type="checkbox"/> | TEM <input type="checkbox"/> |
| Collected by | | PLM <input type="checkbox"/> | TEM <input type="checkbox"/> |

Collected by
Charles E. Dase
June-24-2014



ALTOL ENVIRONMENTAL SERVICES, INC.

PAGE ____ OF ____

PO BOX 359 MERCEDITA, PR 00715-0359

CHAIN OF CUSTODY (TRANSMITTAL SHEET FOR AIR SAMPLES)

14154S

| | |
|---|--|
| Customer Name: <u>Homeca Recycling</u> Contact: <u>Samuel Quiñonez</u> Phone / Fax/Email: <u>787-374-6187</u> Collected By: <u>Carlos E. Ocasio</u> <u>03010139-MS</u> Analyzed By Lab: <u>Cei Labs</u> AIHA Lab ID: <u>AIHA IHLAP #103025</u> | Project Name: <u>Lucas Perez Valdivieso, Public School</u> Total Samples: <u>8</u> Job Number: <u>ENJ-1161</u> Worker Name: <u>N/A</u> Worker ID: <u>N/A</u> Worker Name: <u>N/A</u> Worker ID: <u>N/A</u> Worker Name: <u>N/A</u> Worker ID: <u>N/A</u> Worker Name: <u>N/A</u> Worker ID: <u>N/A</u> |
|---|--|

Project Description: _____ **If NIOSH results is >0.0009 f/cc, them analyzed also for NIOSH 7402**

| Date | Sample ID | Sample Description | Pump | Time | | Flow Rate | | | Volume (L) | Asbestos | | Lead Air | Minutes |
|------------|---------------------|---|----------|-------|-------|-----------|-------|-------|------------|----------|-----|----------|---------|
| | | | | START | STOP | Initial | Final | Avg. | | PCM | TEM | | |
| June-24-14 | HOM-062414-FB-LR-01 | Field Blank I | ----- | ---- | ---- | ---- | ---- | ---- | --- | X | X | | --- |
| June-24-14 | HOM-062414-FB-LR-02 | Field Blank II | ----- | ---- | ---- | ---- | ---- | ---- | --- | X | X | | --- |
| June-24-14 | HOM-062414-A-LR-03 | Southeast sample, Center room, food storage, lunch room, air sample | Hv-6267 | 9:00 | 14:21 | 15.0 | 15.0 | 15.00 | 4815.0 | X | X | | 321 |
| June-24-14 | HOM-062414-A-LR-04 | Southeast sample lunch room, air sample | Hv-5939 | 9:03 | 14:24 | 15.0 | 15.0 | 15.00 | 4815.0 | X | X | | 321 |
| June-24-14 | HOM-062414-A-LR-05 | Southwest sample, air sample, lunch room, air sample | Hv-65330 | 9:05 | 14:23 | 15.0 | 15.0 | 15.00 | 4770.0 | X | X | | 318 |
| June-24-14 | HOM-062414-A-LR-06 | Southwest sample, air sample, lunch room, air sample | Hv-6269 | 9:08 | 14:28 | 15.0 | 15.0 | 15.00 | 4800.0 | X | X | | 320 |
| June-24-14 | HOM-062414-A-LR-07 | Southwest hallway, lunch room, air sample | Hv-65332 | 9:10 | 14:30 | 15.0 | 15.0 | 15.00 | 4800.0 | X | X | | 320 |
| June-24-14 | HOM-062414-A-LR-08 | Northwest hallway, lunch room, air sample | Hv-5109 | 9:13 | 14:30 | 15.0 | 15.0 | 15.00 | 4755.0 | X | X | | 317 |
| | | | | | | | | | | | | | |

Turn Around Time: Normal: 7 days _____ Rush: 24 hours ☒ Rush: 16 hours _____

| | | | | | | |
|------------------------|------------------|------------------|------------------|------------------|---------------------|---------------------|
| Sampling Collected by: | Relinquished by: | Received by: | Relinquished by: | Received by: | Delivery to Lab by: | Received at Lab by: |
| Carlos E. Ocasio | | | | | | |
| Date: Time: | Date: Time: | Date: Time: | Date: Time: | Date: Time: | Date: Time: | Date: Time: |
| | | | | | | |